Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132467.D
Acq On : 18 Feb 2023 00:25
Operator : CG\JU
Sample : 01552-06MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-4.0-6.0MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel
02/18/2023
Supervised By :mohammad ahmed
02/20/2023

Quant Time: Feb 18 01:03:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 18 00:58:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.025 | 152 | 257006 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.313 | 136 | 933101 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.078 | 164 | 461843 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.572 | 188 | 778950 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.230 | 240 | 382447 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.789 | 264 | 414993 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.660 | 112 | 1626370 | 101.400 | ng | | 0.02 |
| 7) Phenol-d6 | 6.654 | 99 | 2141004 | 102.228 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.590 | 82 | 1433669 | 73.826 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.872 | 330 | 461324 | 100.114 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.389 | 172 | 2073518 | 69.334 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.160 | 244 | 1782938 | 84.903 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.025 | 88 | 350142 | 40.354 | ng | | 99 |
| 3) Pyridine | 3.760 | 79 | 886617 | 37.645 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.731 | 42 | 401715 | 43.199 | ng | | 94 |
| 6) Aniline | 6.707 | 93 | 1028370 | 35.246 | ng | | 96 |
| 8) 2-Chlorophenol | 6.813 | 128 | 768636 | 46.942 | ng | | 93 |
| 9) Benzaldehyde | 6.578 | 77 | 465935 | 41.610 | ng | | 95 |
| 10) Phenol | 6.666 | 94 | 978508m | 44.087 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.754 | 93 | 864084 | 45.897 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.966 | 146 | 801454 | 44.931 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.042 | 146 | 793653 | 44.603 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.195 | 146 | 771678 | 47.336 | ng | | 97 |
| 15) Benzyl Alcohol | 7.166 | 79 | 730714 | 47.169 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.295 | 45 | 1161310 | 44.365 | ng | | 97 |
| 17) 2-Methylphenol | 7.272 | 107 | 657169 | 42.160 | ng | | 99 |
| 18) Hexachloroethane | 7.537 | 117 | 323588 | 48.163 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.442 | 70 | 559255 | 43.558 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.425 | 107 | 745107 | 38.716 | ng | # | 80 |
| 22) Acetophenone | 7.437 | 105 | 1007656 | 41.668 | ng | | 99 |
| 24) Nitrobenzene | 7.613 | 77 | 914595 | 42.956 | ng | | 98 |
| 25) Isophorone | 7.848 | 82 | 1678020 | 43.974 | ng | | 99 |
| 26) 2-Nitrophenol | 7.925 | 139 | 413118 | 49.913 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.960 | 122 | 677284m | 45.322 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 8.054 | 93 | 992577 | 44.510 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.166 | 162 | 612082 | 43.416 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.248 | 180 | 695312 | 44.347 | ng | | 98 |
| 31) Naphthalene | 8.337 | 128 | 2268647 | 46.849 | ng | | 99 |
| 32) Benzoic acid | 8.089 | 122 | 522065 | 48.321 | ng | | 94 |
| 33) 4-Chloroaniline | 8.384 | 127 | 207244 | 10.301 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.442 | 225 | 441598 | 44.612 | ng | | 98 |
| 35) Caprolactam | 8.760 | 113 | 217753m | 47.577 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.860 | 107 | 680930 | 43.166 | ng | | 98 |
| 37) 2-Methylnaphthalene | 9.025 | 142 | 1431741 | 43.932 | ng | | 98 |
| 38) 1-Methylnaphthalene | 9.131 | 142 | 1341763 | 43.823 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.195 | 216 | 666831 | 44.559 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.178 | 237 | 550248 | 66.944 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.301 | 196 | 457997 | 46.459 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132467.D
Acq On : 18 Feb 2023 00:25
Operator : CG\JU
Sample : 01552-06MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-4.0-6.0MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel

Quant Time: Feb 18 01:03:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 18 00:58:25 2023
Response via : Initial Calibration

02/18/2023
Supervised By :mohammad ahmed

02/20/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.348 | 196 | 476258 | 41.478 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.495 | 154 | 1562002 | 43.698 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.519 | 162 | 1230303 | 43.851 | ng | | 99 |
| 48) 2-Nitroaniline | 9.613 | 65 | 437629 | 44.456 | ng | | 98 |
| 49) Acenaphthylene | 9.936 | 152 | 1874146 | 42.043 | ng | | 99 |
| 50) Dimethylphthalate | 9.789 | 163 | 1491854 | 43.864 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.854 | 165 | 328310 | 44.388 | ng | | 98 |
| 52) Acenaphthene | 10.113 | 154 | 1437925 | 51.833 | ng | | 99 |
| 53) 3-Nitroaniline | 10.025 | 138 | 256065 | 30.153 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 10.136 | 184 | 321489 | 70.640 | ng | | 97 |
| 55) Dibenzofuran | 10.283 | 168 | 1935937 | 47.034 | ng | | 98 |
| 56) 4-Nitrophenol | 10.189 | 139 | 505598 | 82.065 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.260 | 165 | 432626 | 44.434 | ng | | 96 |
| 58) Fluorene | 10.631 | 166 | 1516413 | 48.731 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.401 | 232 | 373283 | 43.015 | ng | | 98 |
| 60) Diethylphthalate | 10.489 | 149 | 1380537 | 41.292 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.613 | 204 | 653365 | 40.094 | ng | | 100 |
| 62) 4-Nitroaniline | 10.648 | 138 | 292961 | 36.971 | ng | | 96 |
| 63) Azobenzene | 10.778 | 77 | 1498261 | 40.502 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 10.672 | 198 | 200698 | 41.442 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.736 | 169 | 1119321 | 46.818 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.107 | 248 | 404546 | 47.386 | ng | | 96 |
| 68) Hexachlorobenzene | 11.178 | 284 | 424110 | 47.524 | ng | | 97 |
| 69) Atrazine | 11.266 | 200 | 354751 | 48.207 | ng | | 96 |
| 70) Pentachlorophenol | 11.378 | 266 | 437429 | 78.840 | ng | | 99 |
| 71) Phenanthrene | 11.607 | 178 | 4700326 | 117.160 | ng | | 96 |
| 72) Anthracene | 11.654 | 178 | 2563829 | 62.165 | ng | | 98 |
| 73) Carbazole | 11.807 | 167 | 1817225 | 48.949 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.125 | 149 | 1971549 | 44.586 | ng | | 99 |
| 75) Fluoranthene | 12.801 | 202 | 4608369 | 103.000 | ng | | 97 |
| 77) Benzidine | 12.913 | 184 | 332993 | 40.889 | ng | | 99 |
| 78) Pyrene | 13.036 | 202 | 4073730 | 125.389 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.630 | 149 | 687315 | 56.695 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.224 | 228 | 2565687 | 91.597 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.177 | 252 | 346490 | 46.311 | ng | | 98 |
| 83) Chrysene | 14.260 | 228 | 2279736 | 85.183 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.189 | 149 | 980489 | 62.477 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.818 | 149 | 1569013 | 68.853 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.412 | 276 | 1603375 | 60.441 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.330 | 252 | 2780592 | 101.889 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.360 | 252 | 1540111 | 56.394 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.730 | 252 | 2081647 | 82.079 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.424 | 278 | 968989 | 44.349 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.906 | 276 | 1362342 | 60.714 | ng | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132467.D
Acq On : 18 Feb 2023 00:25
Operator : CG\JU
Sample : 01552-06MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 18 01:03:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 18 00:58:25 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-4.0-6.0MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023